

Title: CRYSTALLIZATION AND STRUCTURE OF *STAPHYLOCOCCUS AUREUS* PEPTIDE

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Applicant(s): Eric T. BALDWIN et al. Serial No.: Unassigned Filed: Herewith

Docket: 6317.N Express Mail No.: EL 776903883 US Sheet 1 of 19

FIGURE 1

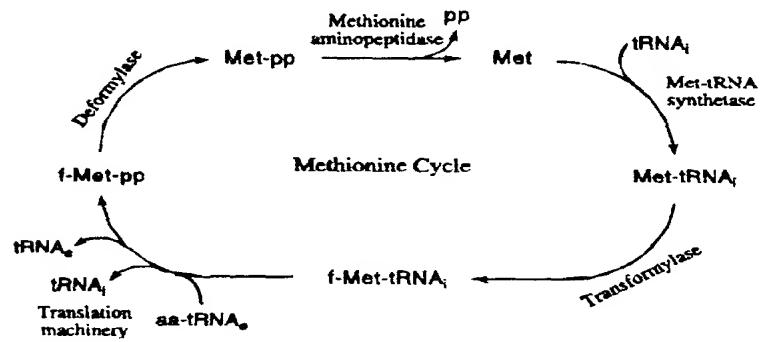


FIGURE 2

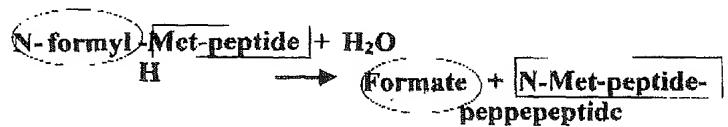


FIGURE 3

SEQ ID NO: 6 Pseudo pdf	1	50
SEQ ID NO: 2 E. coli pdf		SVLQVLHIPD
SEQ ID NO: 3 Haemop influ		M TALNVLIYPD
SEQ ID NO: 4 Bacillus sub		M AVKKVVTHPA
SEQ ID NO: 5 Mycopl pneu	MTKILPVSTI SIFRIILILP QINMELLPTK AWLVLDLVKE INEPTKPVQF	
SEQ ID NO: 1 Active pdf	MYEYLNNLFT VIQ..LKQIK IRKVQYMLTM KDIIRDGHPT LRQKAAELEL	
Pseudo pdf	51	100
E. coli pdf	PILTKKAQAV KTFDDSLKRL LQDLEDATMYA .QEAAGLCAP QINQSLQVAI	
Haemop influ	ERLRKVAKPV EEVNAEIQRI VDDMFETMYA .EEGIGLAAT QVDIHQRIIV	
Bacillus sub	DHLKVVCEPV TKVNDAIRKI VDDMFDTMYQ .EKGIGLAAP QVDILQRIIT	
Mycopl pneu	EVLETTPAETV TVFDKKLKLL LDDMYDTMLE .MDGVGLAAP QIGILKRAAV	
Active pdf	PLDQASLDI AKMMAYVDAS YNGD.AEKYG IIPGIGIAAN QIGYWQKM.F	
	PLTKEEKETL IAMREFLVS QDEEIAKRYG LRSGVGLAAP QINISKRM.I	
Pseudo pdf	101	150
E. coli pdfIDMEM.EGLLQLV N.....PKI ISQSNETITD LEGSITLPDV	
Haemop influIDVSEN RDER..LVLI N.....PEL LEKSGET.GI EEGCLSIPEQ	
Bacillus subIDVERGD KQNQ..FVLI N.....PEI LASEGET.GI EEGCLSIIPGF	
Mycopl pneuVEIGDD R.GR..IDLV N.....PEI LEKSGEQ.TG IEGCLSFPNV	
Active pdf	YIHLMD..GG VEHKCLLINV KIINLSANKS FLKSG.... EGCLSVPKM	
	AVLIPDDGSG KSYDYMLVNP KIVSHSVQEA YLPTG.... EGCLSVDDN	
Pseudo pdf	151	200
E. coli pdf	YG.EVTRSkm IVVESYD.VN GNKVELTAHE DVARMIL <u>HII</u> DQMNGIPFTE	
Haemop influ	RA.LVPRRAEK VKIRALD.RD GKPFELEADG LLAICIQ <u>HEM</u> DHLVGKLFMD	
Bacillus sub	RA.LVPRKEK VTVRALD.RD GKEFTLDADG LLAICIQ <u>HEI</u> DHLNGILFVD	
Mycopl pneu	YG.DVTRADY VKVRAFN.RQ GKPFILEARG FLARAV <u>QHEM</u> DHLDGVLFDS	
Active pdf	HQGYVIRHEW ITITGFDWLQ QKEITITATG LFGMCL <u>QHEF</u> DHLQGRFYYH	
	VAGLVHRHN <u>K</u> ITIKAKD.IE GNDIQLRLKG YPAIVFQ <u>HEI</u> DHLNGVMFYD	
Pseudo pdf	201	235
E. coli pdf	RADRILTDKE VEAYFINDRS HHHHHH ~~ ~~~~	
Haemop influ	YLSPLKQQRI RQKVEKLDRL KARA~~~~~ ~~~~	
Bacillus sub	YLSPLKRQRI KEKLIKYKKQ IAKS~~~~~ ~~~~	
Mycopl pneu	KISKYYTEDE LADMEG~~~~~ ~~~~ ~~~~	
Active pdf	RINPLNPLFT NKEWKVINPA LPSDSE~~~~~ ~~~~	
	HIDKDHPLQP HTDAVEV <u>H</u> HHH~~~~~ ~~~~	

FIGURE 4

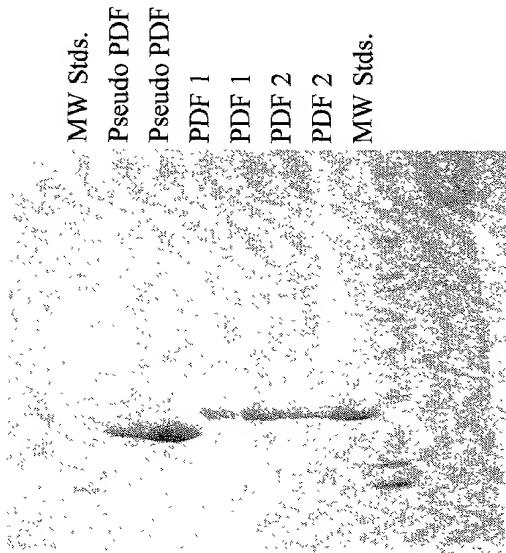


FIGURE 5

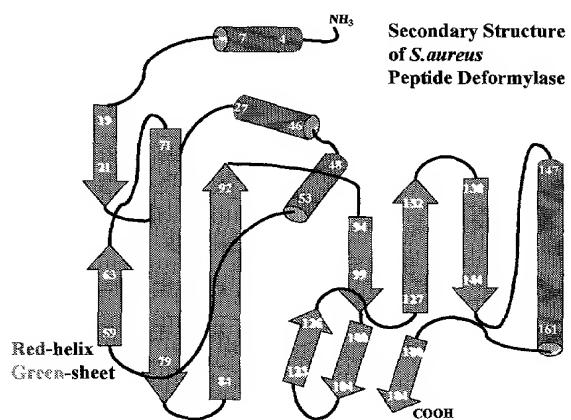


FIGURE 6

PDF Secondary Structure

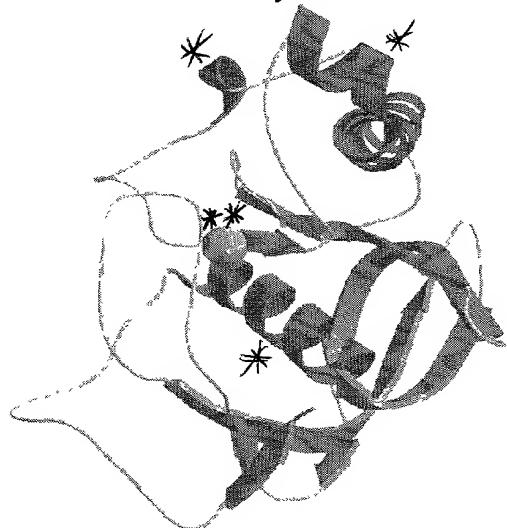
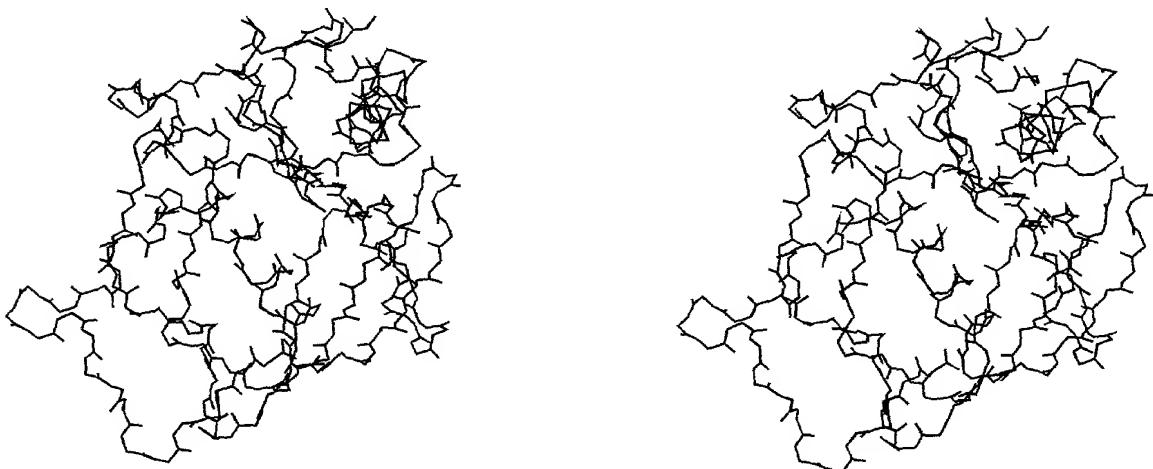
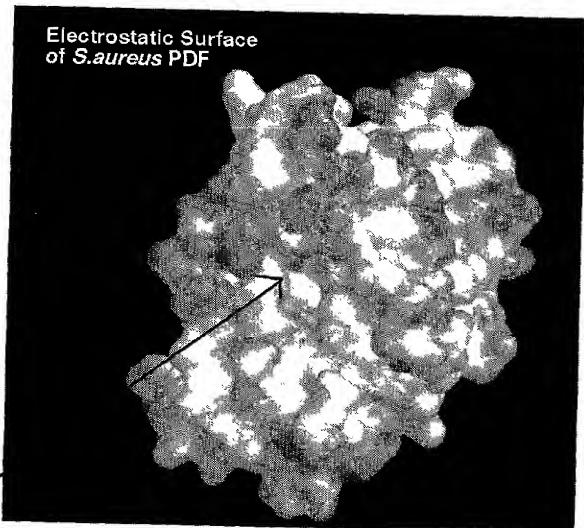


FIGURE 7



On the 20th of May, 1863, the 10th Regt. of the 10th Mass. Inf. was mustered out of the service at Boston, Mass.

FIGURE 8



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FIGURE 9

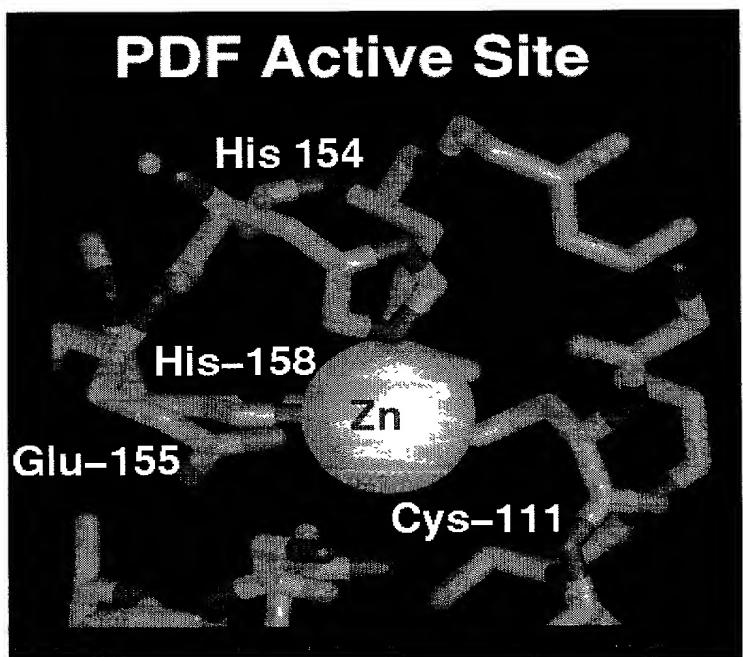


FIGURE 10

<i>S.aureu</i>	MLTMKDIIRDGH L QKAAEIELPLT EEKETLIMREFLVNSQDEEIAKRYG
<i>E.coli</i>	SV LRKVAKPVEEV EIQRIVDMFETMY
<i>S.aureu</i>	GVGLA P QINISKRMIAVLIPDDGSGKSYDLVNPKIVS SVQFAYLPTEGCL
<i>E.coli</i>	GIGLA A QVDIHQRIIVIDVSEN LINPELLE S GETGI EGCL
<i>S.aureu</i>	VDDNVAL H RHNRI IKAKDIEGNDI Q RLKGYPAlVFQHEIDH H INGVMFYDH I
<i>E.coli</i>	IPEQR LV P RAEKV I R ALDRDGKP F LEADGLIAIC Q HEDH H IVGKL F MDYL
<i>S.aureu</i>	DKDHPLQPH T DAVEVHHH
<i>E.coli</i>	SPLKOORIROKVEKLDRLK

But they were long gone, and the sun was high in the sky when we reached the beach.

FIGURE 11

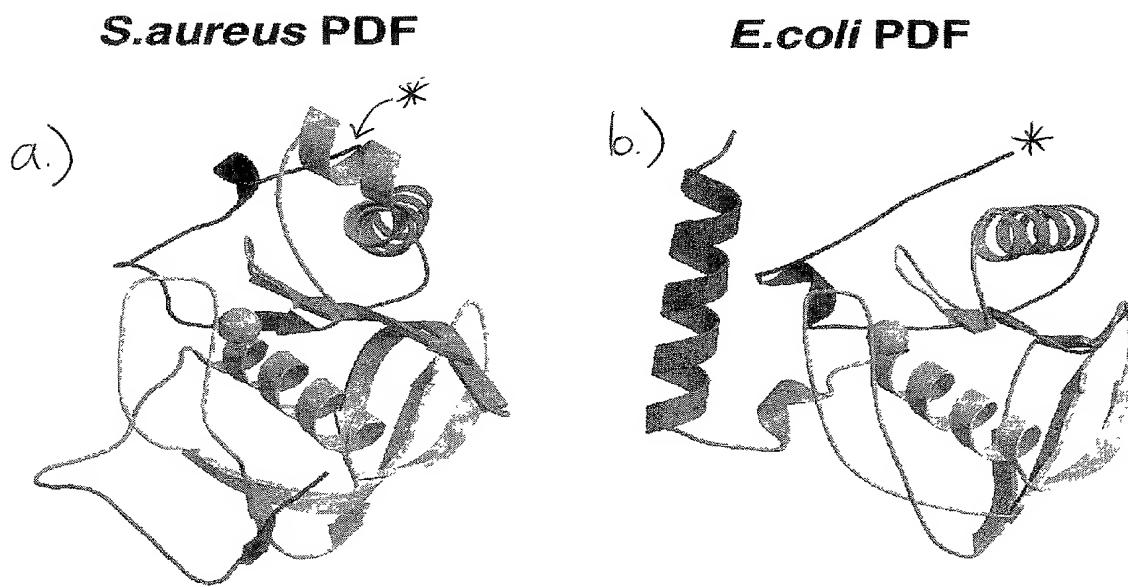
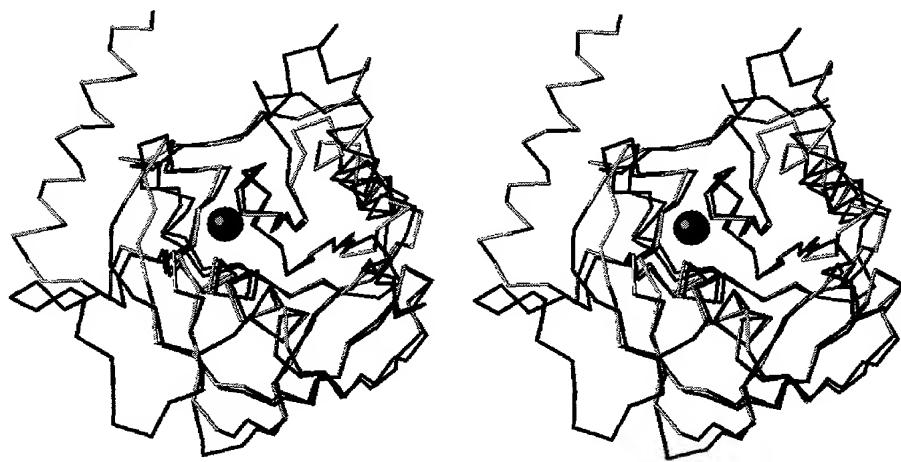


FIGURE 12



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FIGURE 13

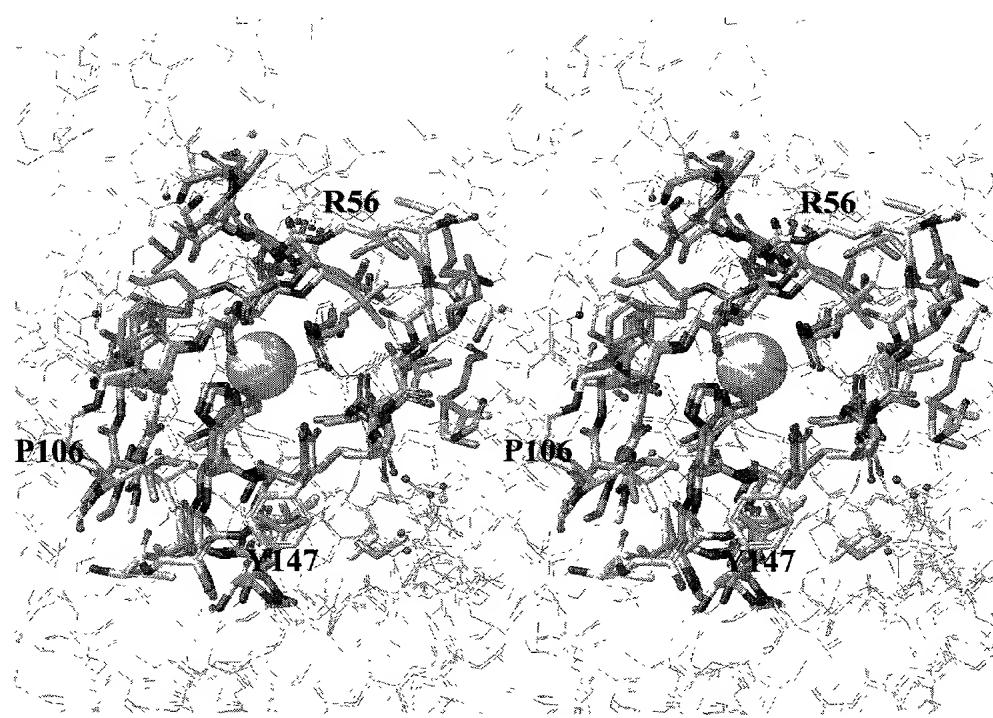


FIGURE 14

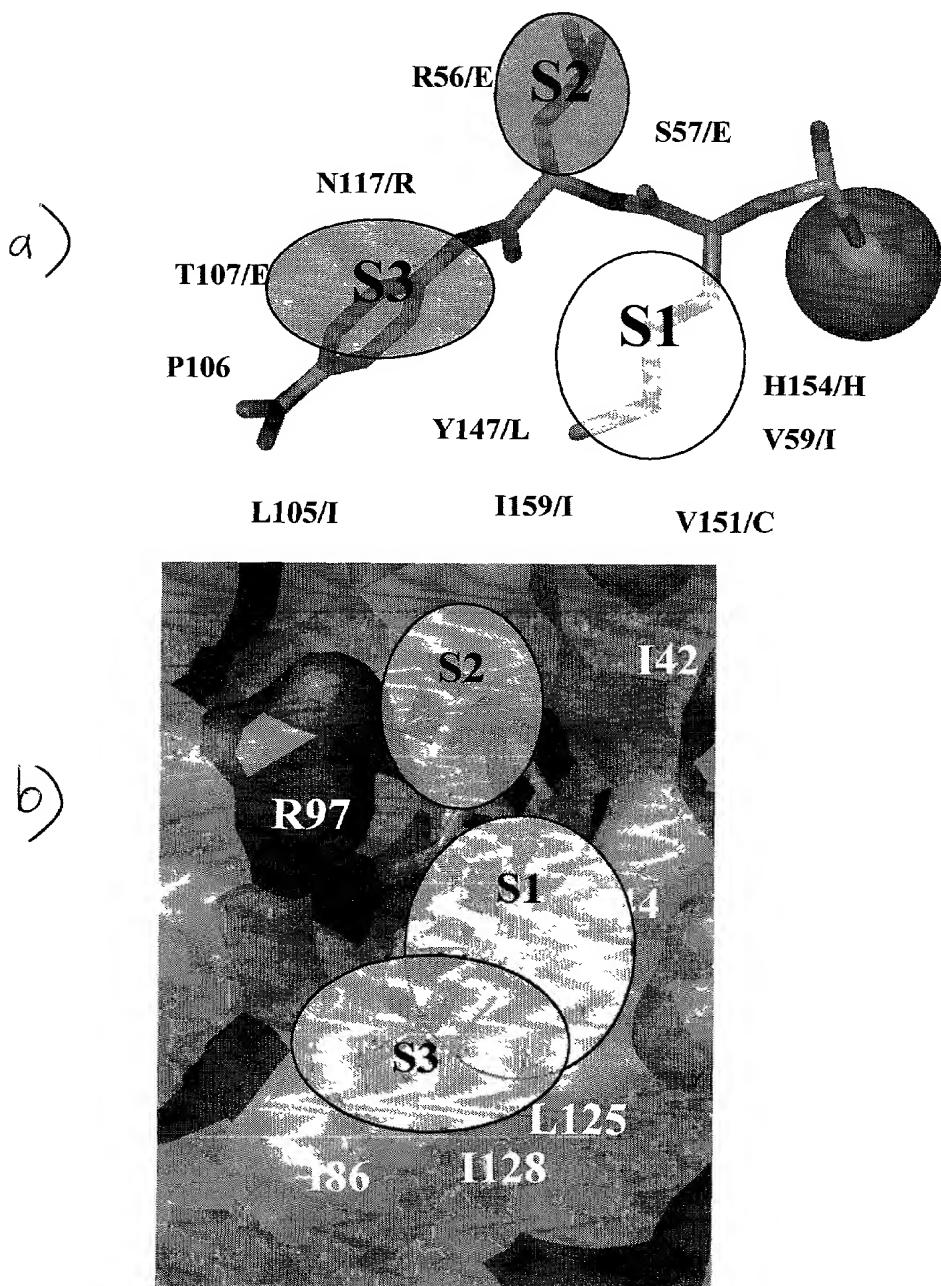


FIGURE 15

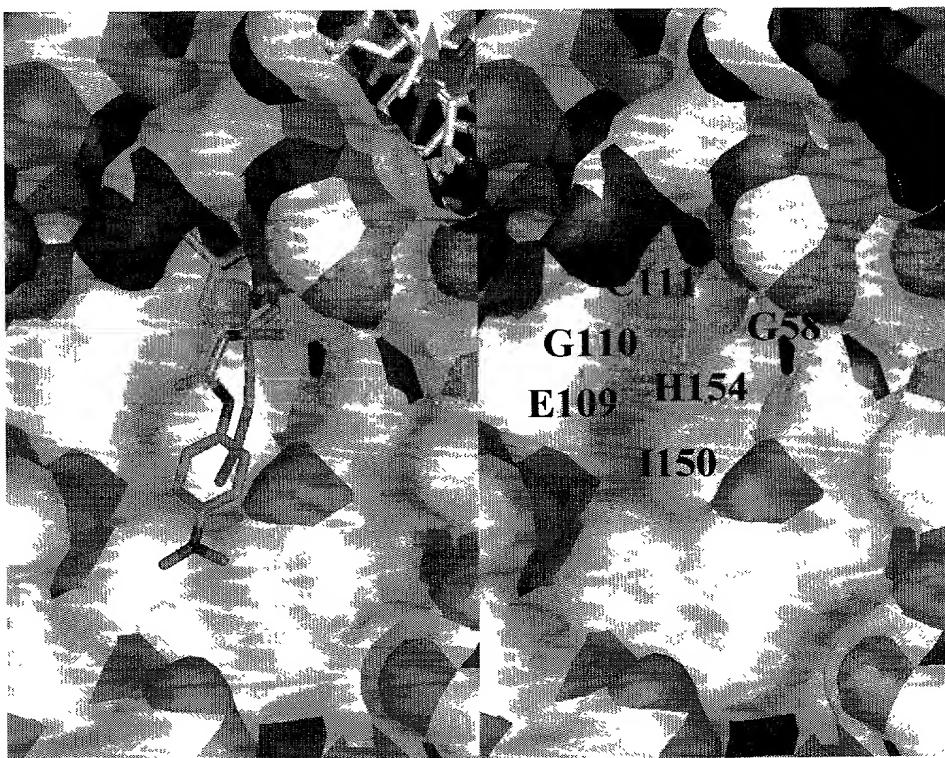


FIGURE 16

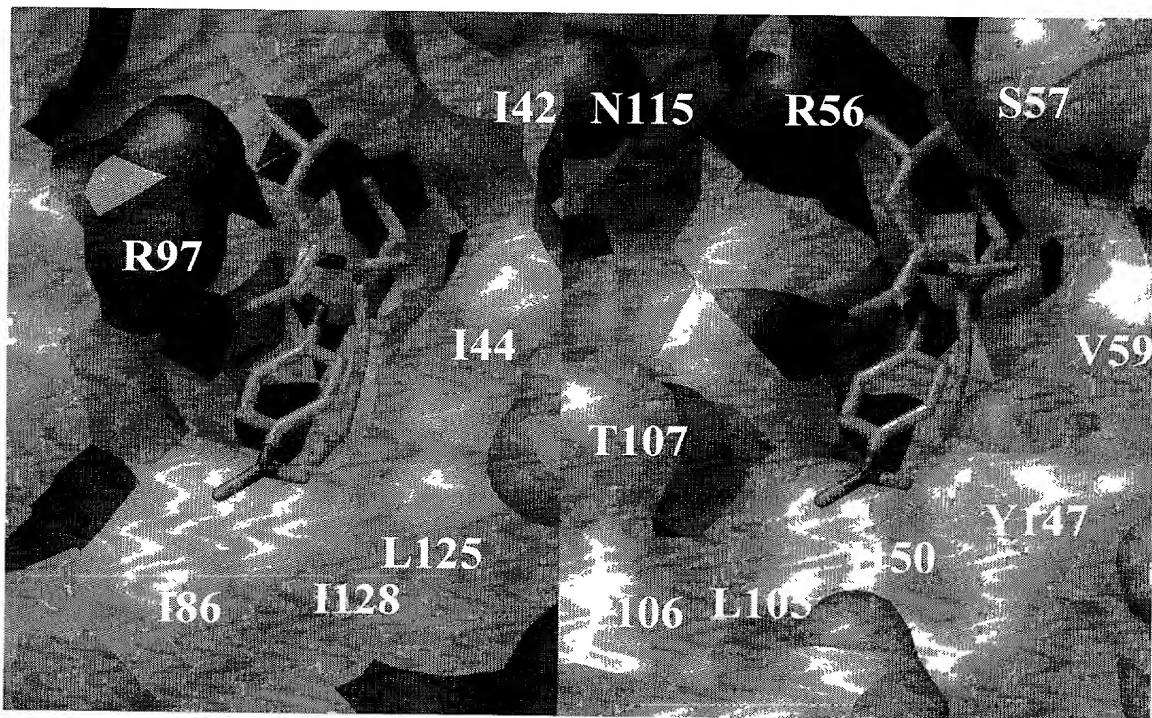
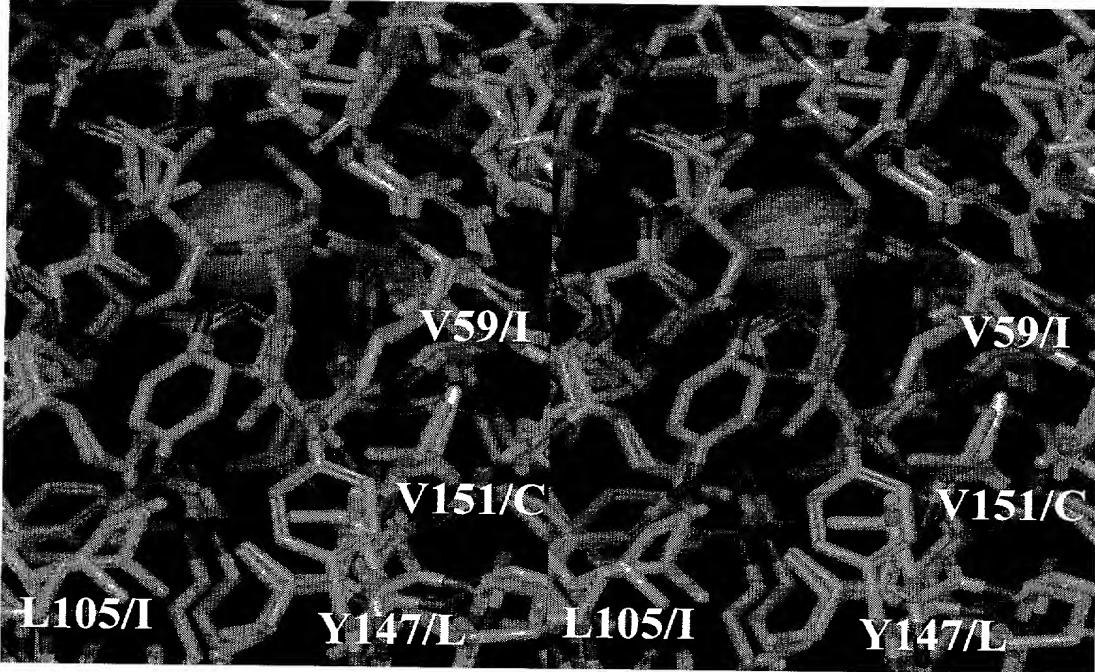


FIGURE 17



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FIGURE 18

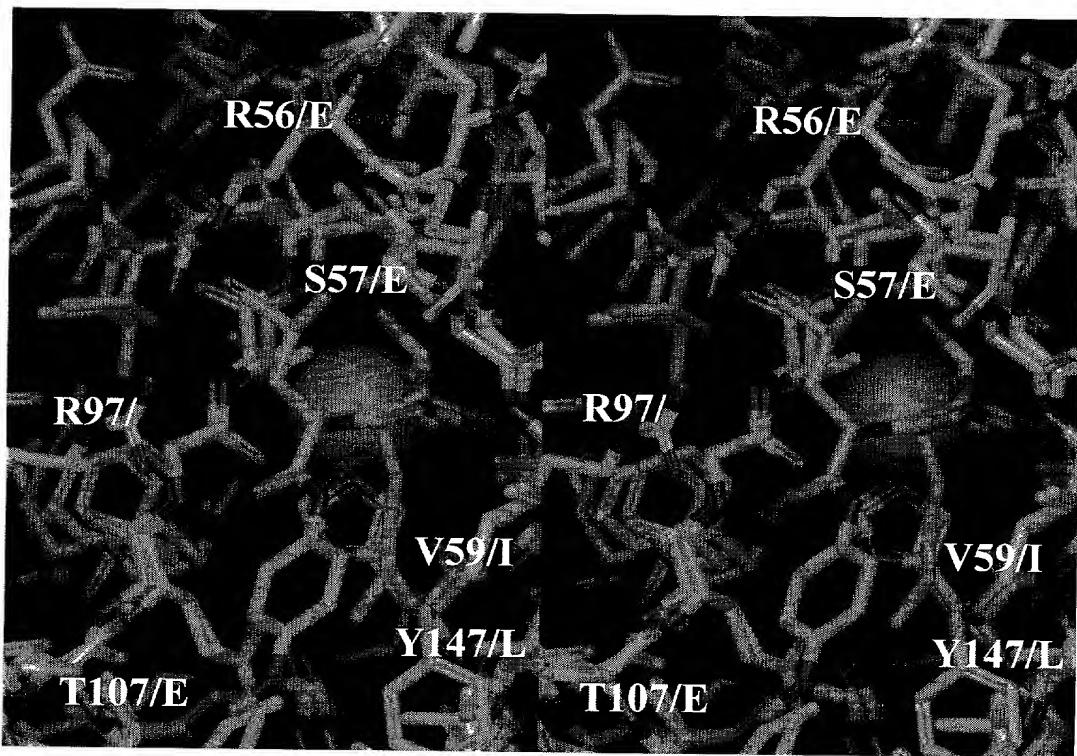


FIGURE 19

